

Comments on Reassessment of FCC RF Exposure Limits and Policies, ET Docket No. 13-84 and Proposed Changes in FCC Rules Regarding Human Exposure to RF Electromagnetic Fields, ET Docket No. 03-137.

September 2, 2013

Please consider the following documents as evidence of the need to lower standards for exposure to radio frequency radiation. My first attempt at submitting all of these files failed. I then managed to get this file and files 1 through 4 below into one submission. This time I will attempt this file and files 10 through 12.

File 1: May 20, 2013 Journal of Cell and Molecular Medicine, Volume XX, Number X, pages 1-9: "Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects" by Martin Pall. This paper reviews 23 studies that show how VGCC activation can produce two well-documented responses to EMF exposure: stimulation of bone growth and the production of single stranded DNA breaks in EMF-exposed cells. Hence, it is time to give up the myth that low exposure levels are harmless.  
(<http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12088/pdf>)

File 2: A paper by Dr. Mae-Wan Ho describing the history of research on the biological effects of electromagnetic radiation. Dr. Ho writes that electromagnetic fields too weak to heat up the body have been linked to cancer and other illnesses since the 1960s. The current 'safety' limits are still inadequate to protect workers and the public from these effects.  
([http://www.hese-project.org/de/emf/WissenschaftForschung/Ho\\_Dr.\\_Mae-Wan/showDoc.php?lang=it&header=Dr.%20Ho&file=Non-Thermalbiological%20Effects.html&back=../showAuthor.php?target=Ho\\_Dr.\\_Mae-Wan](http://www.hese-project.org/de/emf/WissenschaftForschung/Ho_Dr._Mae-Wan/showDoc.php?lang=it&header=Dr.%20Ho&file=Non-Thermalbiological%20Effects.html&back=../showAuthor.php?target=Ho_Dr._Mae-Wan))

File 3: May 10, 2013 News Release from Bournemouth University in the UK: "Brain diseases affecting more people and starting earlier than ever before." Professor Colin Pritchard: "Of the 10 biggest Western countries the USA had the worst increase in all neurological deaths, men up 66% and women 92% between 1979-2010... Considering the changes over the last 30 years – the explosion in electronic devices, rises in background non-ionising radiation- PC's, micro waves, TV's, mobile phones; road and air transport up four-fold increasing background petro-chemical pollution; chemical additives to food etc. There is no one factor rather the likely interaction between all these environmental triggers, reflecting changes in other conditions. It is clear that current FCC standards are too high and helping to increase neurological deaths.  
(<http://www.alphagalileo.org/ViewItem.aspx?ItemId=131020&CultureCode=en>)  
Source: Pritchard C, Mayers, A, Baldwin D (2013) Changing patterns of

neurological mortality in the 10 major developed countries 1979-2010. Public Health.  
<http://www.publichealthjrnal.com/article/S0033-3506%2812%2900467-2/fulltext>

File 4: June 11, 2013 by Ronald M. Powell, Ph. D.  
Biological Effects from RF Radiation at Low-Intensity Exposure, based on the BioInitiative 2012 Report, and the Implications for Smart Meters and Smart Appliances (<http://www.scribd.com/doc/146337041/Biological-Effects-From-RF-Radiation-and-Implications-for-Smart-Meters-June-5-2013>)

File 5: June 26, 2013 by Dr. Elizabeth Evans, Dr. Andrew Tresidder, and Dr. Erica Blythe  
Open letter by UK medical doctors: Health and safety of Wi-Fi and mobile phones (<http://memoryholeblog.com/2013/06/29/open-letter-by-uk-doctors-on-health-and-safety-of-wi-fi-mobile-phones>)

File 6 (referenced by File 5): IARC CLASSIFIES RADIOFREQUENCY ELECTROMAGNETIC FIELDS AS POSSIBLY CARCINOGENIC TO HUMANS ([http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208\\_E.pdf](http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf))

File 7 (referenced by File 5): Resolution 1815 (2011) Parliamentary Assembly of the Council of Europe  
(<http://assembly.coe.int/mainf.asp?link=/documents/adoptedtext/ta11/eres1815.htm>)

File 8 (referenced by File 5): Conclusions from the BioInitiative Report 2012 (<http://www.bioinitiative.org/conclusions>)

File 9 (referenced by File 5): Electromagnetic and Radiofrequency Field Effect on Human Health by the American Academy of Environmental Medicine ([http://aaemonline.org/emf\\_rf\\_position.html](http://aaemonline.org/emf_rf_position.html))

File 10 (referenced by File 5): ISDE, IDEA: Statement on Electromagnetic [radio frequency] Radiation [EMR] and Health Risks (<http://www.env-health.org/news/members-news/article/isde-idea-statement-on>)

File 11 (referenced by File 5): Safe Schools 2012: Medical and Scientific Experts Call for Safe Technologies in Schools  
(<http://WiFiinschools.org.uk/resources/safeschools2012.pdf>)

File 12: June 29, 2013 European Citizens' Initiative "Electromagnetic Radiation." Groups from Spain, France, Sweden, Portugal, Italy, and Belgium have agreed on this foundation document for an initiative to be registered with the European

Parliament. The initiative demands a reduction in and controls of the exposure to electromagnetic fields in all of Europe and requires that the governments of the union adopt the measures of Resolution 1815 of the Council of Europe. This is the beginning of a campaign to collect one million signatures.

([http://www.peccem.org/DocumentacionDescarga/Campanas/ICE2013/ENG\\_EUROPEAN\\_MANIFESTO\\_IN\\_SUPPORT\\_THE\\_ECI.pdf](http://www.peccem.org/DocumentacionDescarga/Campanas/ICE2013/ENG_EUROPEAN_MANIFESTO_IN_SUPPORT_THE_ECI.pdf))

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